

FIG. 1

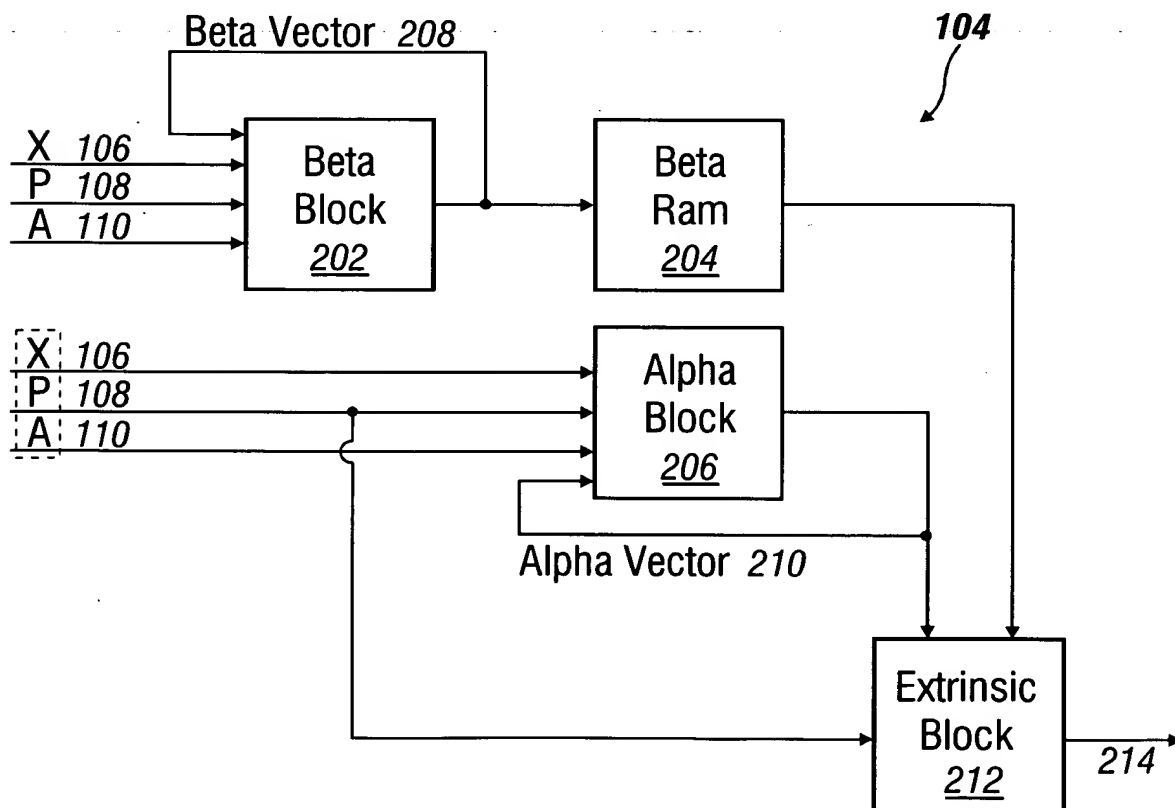


FIG. 2

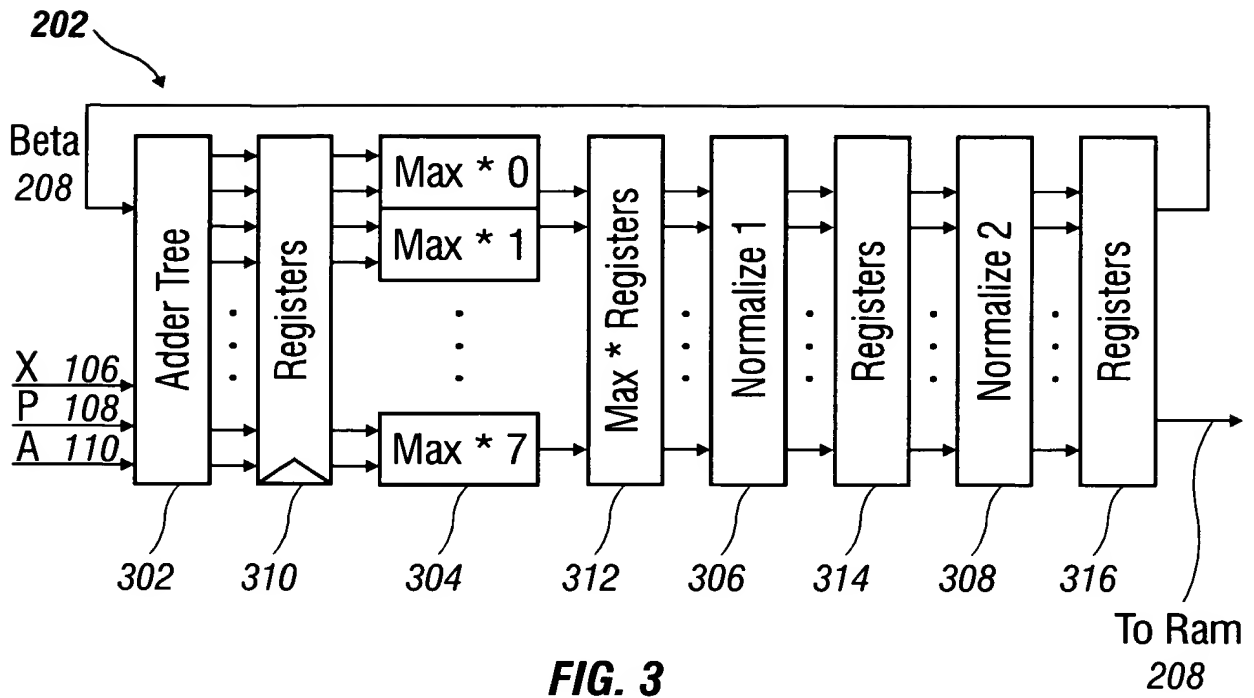


FIG. 3

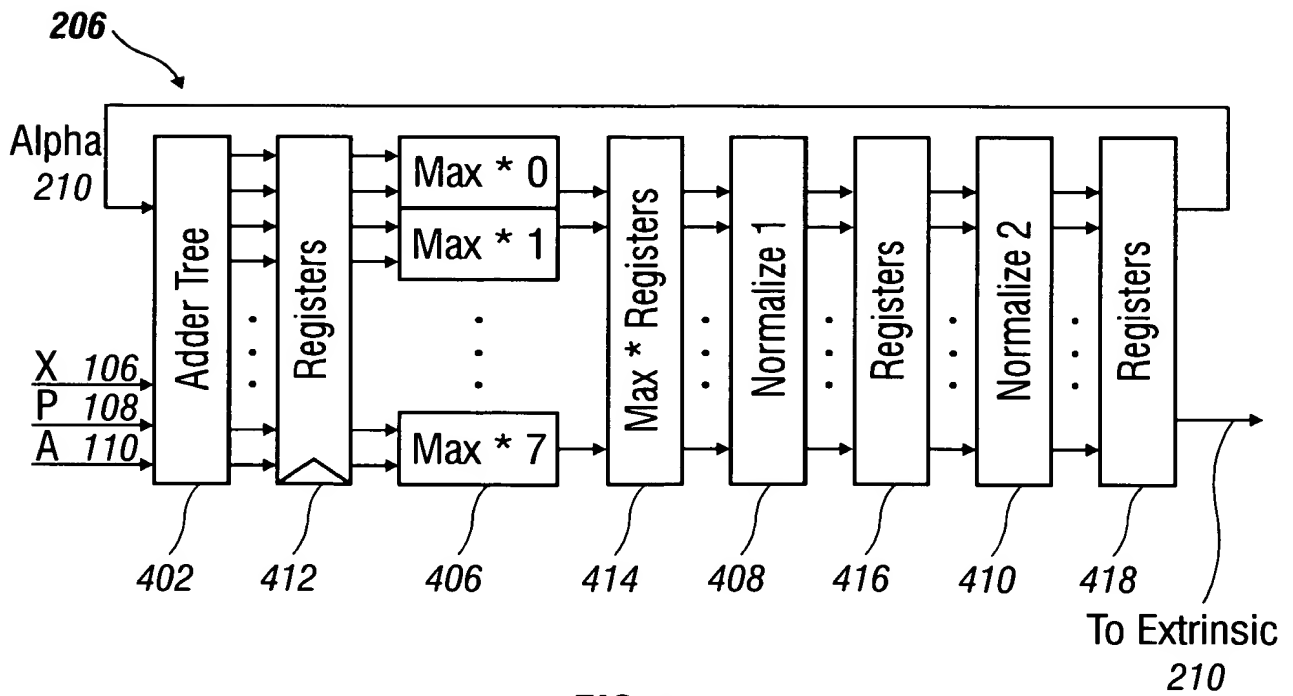


FIG. 4

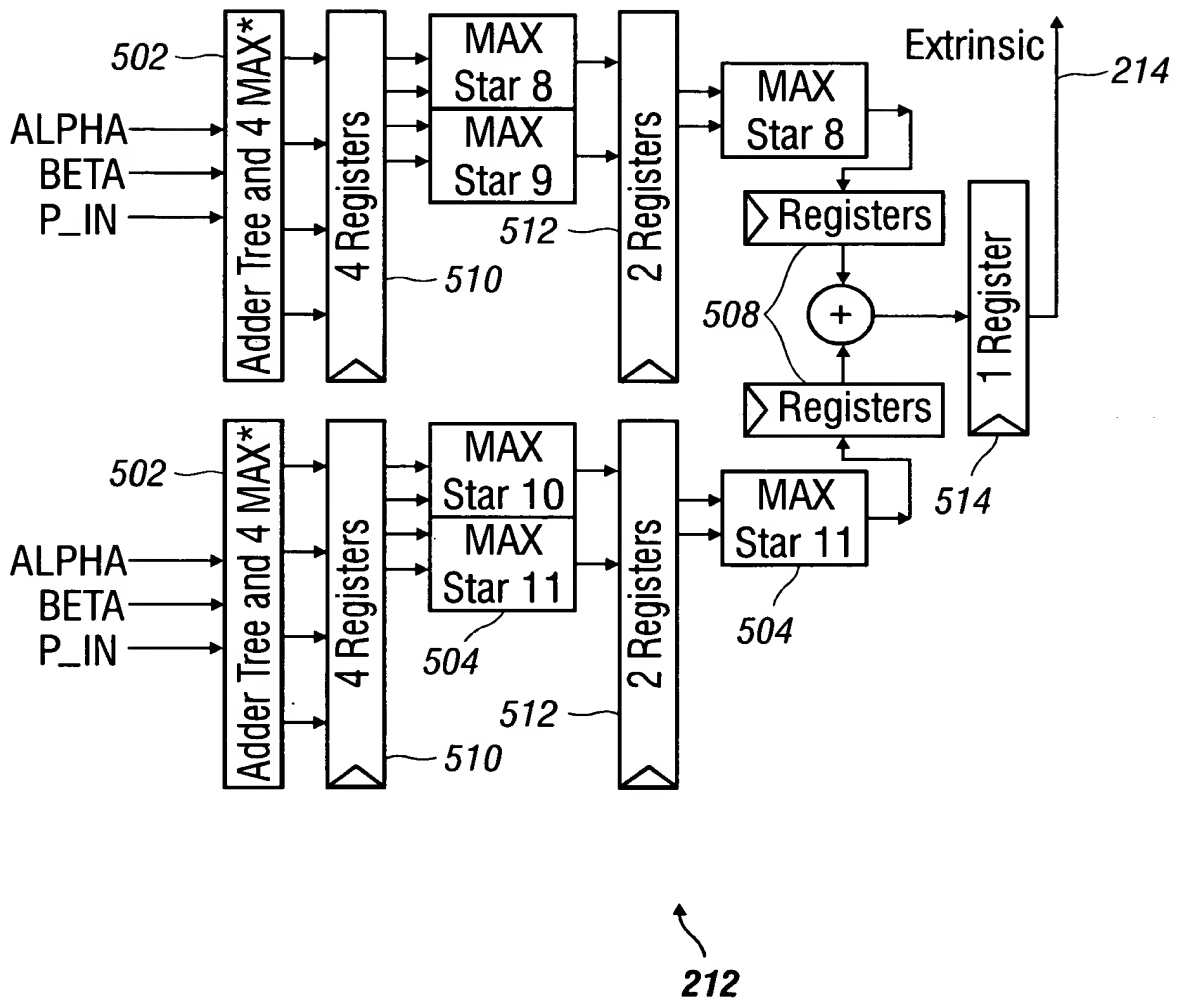


FIG. 5

| CLOCK<br>CYCLE  |                 |                 |                   |                   | TIME           |
|-----------------|-----------------|-----------------|-------------------|-------------------|----------------|
| 1               | 2               | 3               | 4                 | 5                 |                |
| $\beta_{0,ADD}$ | $\beta_{0,M^*}$ | $\beta_{0,N1}$  | $\beta_{0,N2}$    |                   |                |
|                 | $\beta_{1,ADD}$ | $\beta_{1,M^*}$ | $\beta_{1,N1}$    | $\beta_{1,N2}$    |                |
|                 |                 | $\beta_{2,ADD}$ | $\beta_{2,MAX^*}$ | $\beta_{2,N1}$    | $\beta_{2,N2}$ |
|                 |                 |                 | $\beta_{3,ADD}$   | $\beta_{3,MAX^*}$ | $\beta_{3,N1}$ |
|                 |                 |                 |                   | $\vdots$          | $\vdots$       |

FIG. 6

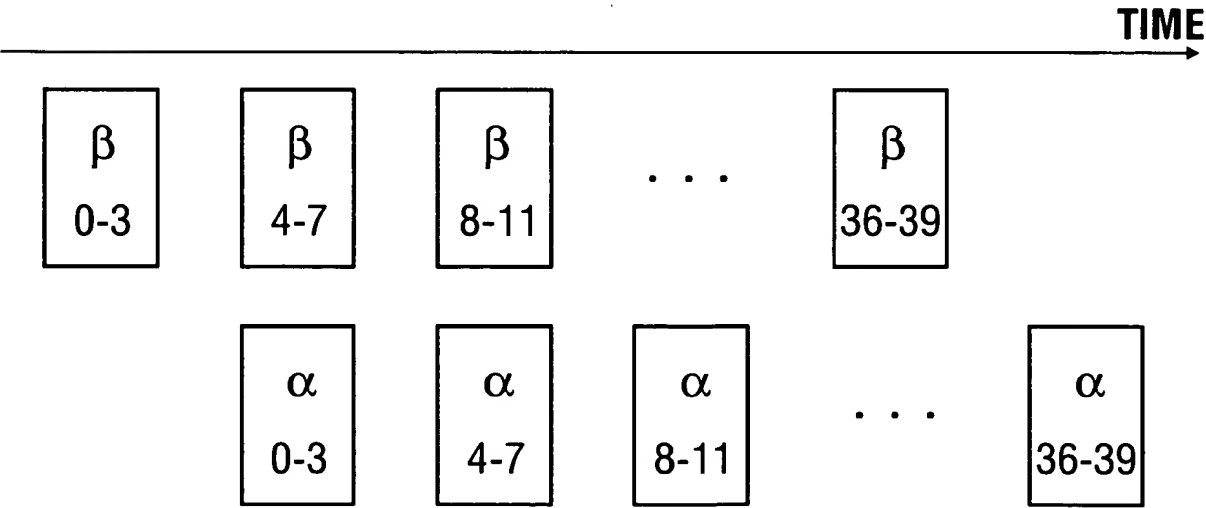


FIG. 7

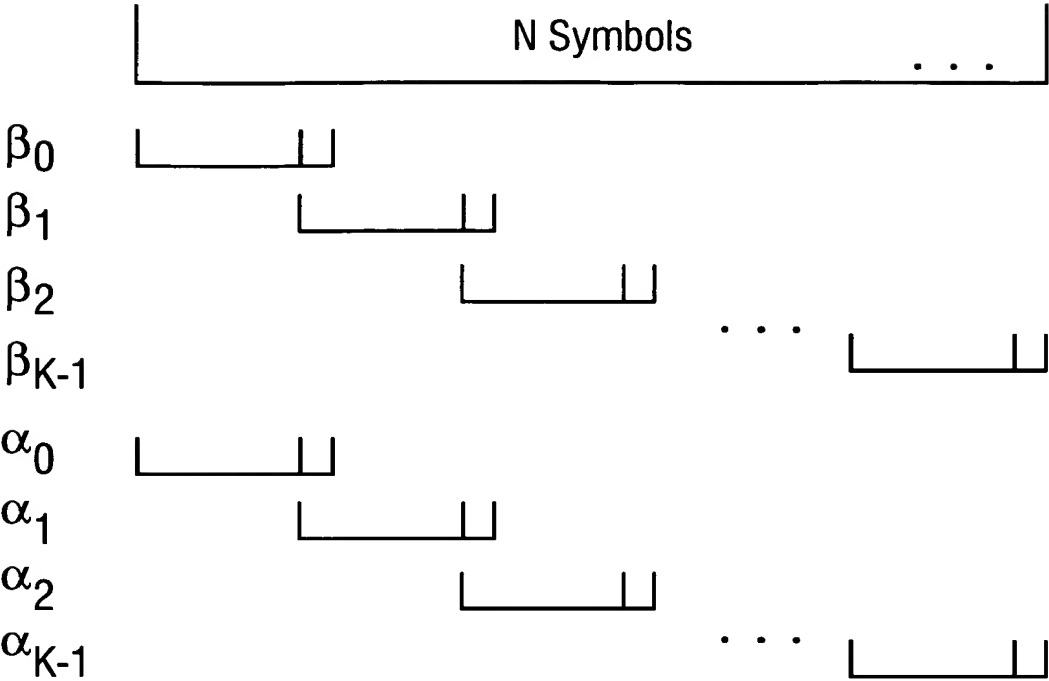


FIG. 8

|            | <u>Start</u><br><u>Prolog</u> | <u>End</u><br><u>Prolog</u> | <u>Start</u><br><u>Reliability</u> | <u>End</u><br><u>Reliability</u> |
|------------|-------------------------------|-----------------------------|------------------------------------|----------------------------------|
| $\beta_0$  | 123                           | 100                         | 99                                 | 0                                |
| $\beta_1$  | 223                           | 200                         | 199                                | 100                              |
| $\beta_2$  | 323                           | 300                         | 299                                | 200                              |
| $\beta_3$  | 423                           | 400                         | 399                                | 300                              |
| $\alpha_0$ | N/A                           | N/A                         | 0                                  | 99                               |
| $\alpha_1$ | 76                            | 99                          | 100                                | 199                              |
| $\alpha_2$ | 176                           | 199                         | 200                                | 299                              |
| $\alpha_3$ | 276                           | 299                         | 300                                | 399                              |

FIG. 9